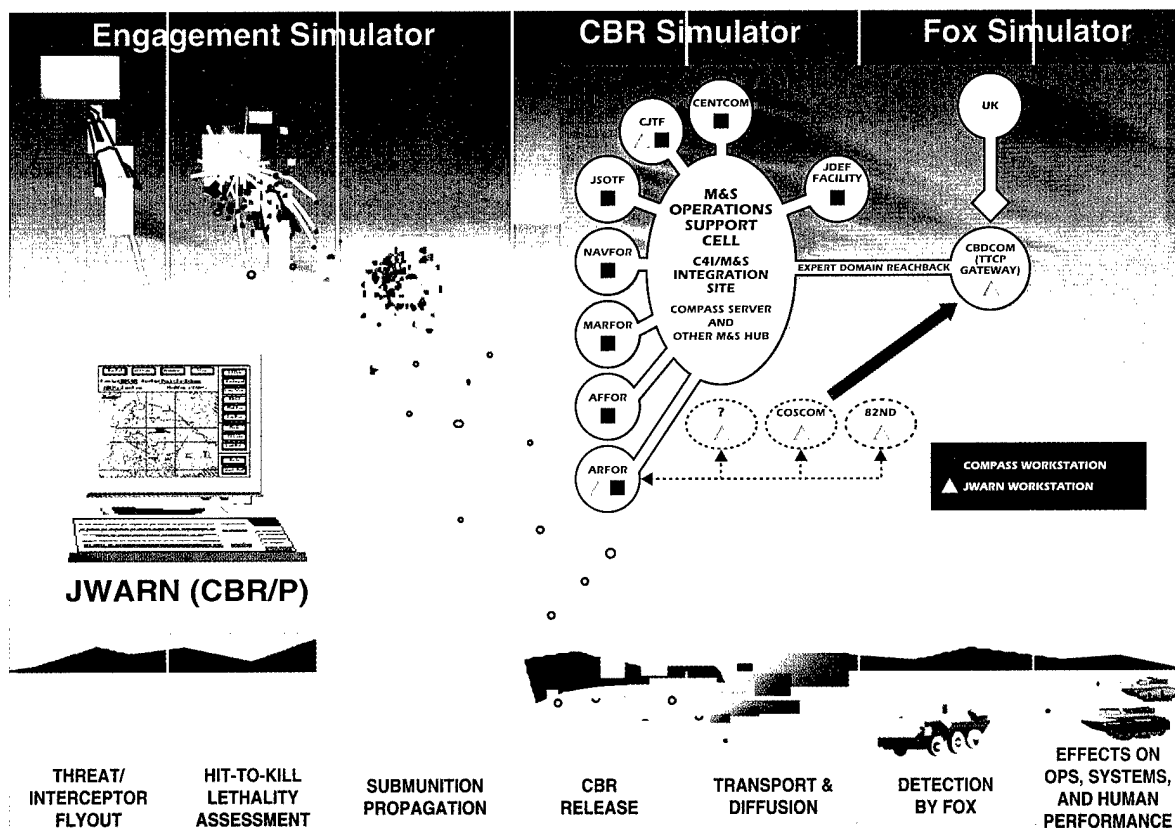


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**CBD COM**

# Chemical Biological Defense (CBD) Simulations



## Description

The Chemical Biological Defense (CBD) portion of JW-035, C4I/Modeling and Simulation Integration for the Warfighter, is a demonstration of distributed collaborative planning (DCP) in support of active and passive CBD. During Joint Warrior Interoperability Demonstration (JWID) '96, the Joint Warning and Reporting Network (JWARN) Chemical, Biological, Radiological/Planner (CBR/P) will be located with the ARFOR and JTF staffs. CBR/P will provide the Chemical Staff Officer with access to high-resolution computer models used for assessing real or potential chemical, biological, or radiological hazards. The ability to apply these high-fidelity CBD simulations to tactical situations enhances the analytical staff action process at the Joint and Component levels and provides a mechanism for the distribution of common threat or hazard data to deployed forces. A reach-back capability from the theater to the CBD Simulation Center will be demonstrated using Common Operational Modeling, Planning, and Simulation Strategy (COMPASS) technology via the Modeling and Simulation Operations Support Cell (MOSC) in

San Diego, California. Further connectivity will be established with the Allied CBD analytical capability in the United Kingdom.

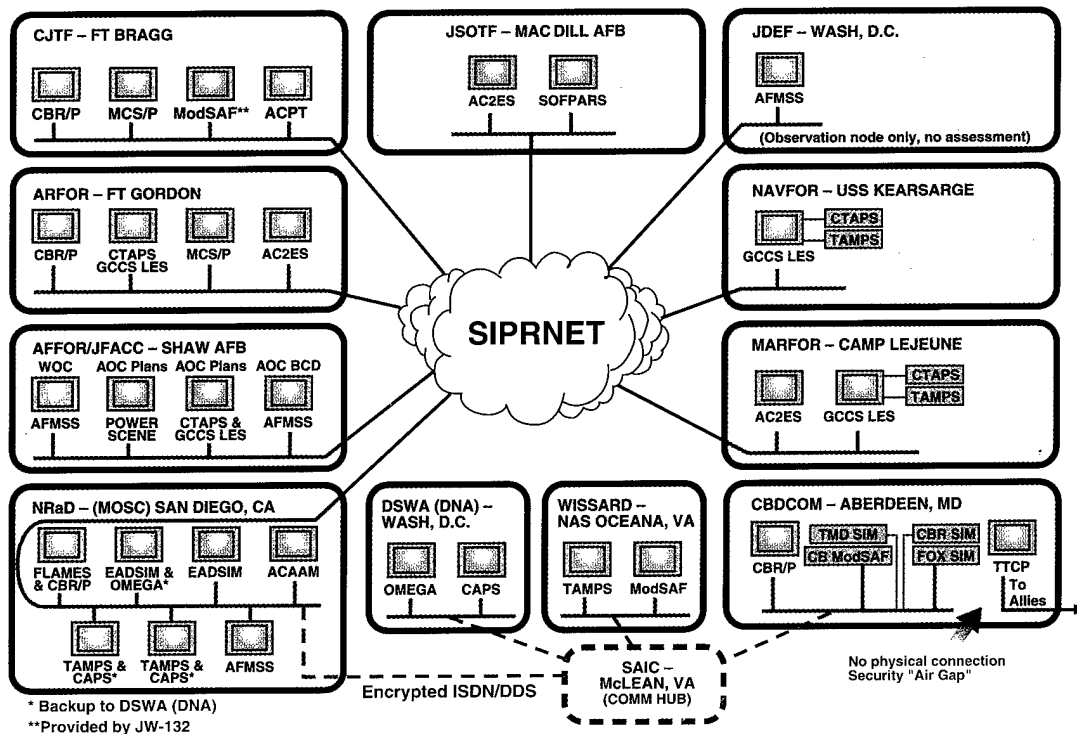
## Command Level

Joint Task Force, Components Operational Task Force

## Products and Capabilities

- Improved or "new" Nuclear, Biological, Chemical (NBC) Cell capability to support Commander and warfighting staff to assess, plan, and respond
- Enhanced capability to participate in joint and coalition-distributed collaborative planning
- Availability of CBR support for distributed training and operation support
- Demonstration of communications infrastructure to make an expert domain available to users
- Availability of a high-fidelity working prototype assessment, analysis, and connectivity tool to NBC Cell within the warfighting staffs

# JWID '96 Distributed Network



## Status of System

CBR/P is a working prototype tool that will enable a forward positioned chemical or NBC officers to either conduct high-fidelity analysis at their location or to reach back to in-theater analytical headquarters or to expert domains, such as the U.S. Army Chemical School or Chemical, Biological Defense Command (CBDCOM). The leave-behind communications infrastructure will enable the CBD Simulation Center to reach out in support operations or exercises and be available to support the expert domain. The high-fidelity simulations at CBDCOM will be routinely accessible at the CBD Simulation Center.

## Connectivity

- Direct connectivity between CBR/P workstations and other COMPASS-capable host systems via COMPASS servers
- Voice/Video Teleconference (VTC)/data connectivity with COMPASS-capable C4I/M&S tools with entry into the Secret IP Router Network (SIPRNET)
- Gateway for Allied Analytical Products

## Installation Sites

- Chemical Biological Defense Command, Aberdeen Proving Ground, Edgewood Area, MD
- Modeling & Simulation Operations Support Cell (MOSC), NRaD, San Diego, CA
- Fort Bragg, NC
- Fort Gordon, GA

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